As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "METHODS AND DEVICES FOR CONTROLLING THE REACTION RATE AND/OR REACTIVITY OF HYDROCARBON TO AN INTERMEDIATE OXIDATION PRODUCT BY ADJUSTING THE OXIDANT CONSUMPTION RATE," which is described and claimed in the specification and claims of Patent Application No. 09/253,172, which we filed in the United States Patent and Trademark Office on February 19, 1999, and for which a patent is sought. This application claims the benefit under 35 U.S.C. §§ 120 or 365(c) of PCT International Application No. PCT/US97/12944 having an International Filing Date of July 23, 1997; U.S. Patent Application No. 08/861,281, filed May 21, 1997; and U.S. Patent Application No. 08/859,985, filed May 21, 1997. This application further claims the benefit of the priority dates afforded to the above-identified applications, namely U.S. Provisional Application No. 60/025,374, filed September 3, 1996; and U.S. Provisional Application No. 60/024,263, filed August 21, 1996.

We have reviewed and understand the contents of the above-entitled specification, including the claims, as amended by any amendment specifically referred to herein (if any), and insofar as the subject matter of each of the claims of this application is not disclosed in a prior United States or PCT International application as listed above in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. We also acknowledge our duty to disclose information of which we are aware which is material to the patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We hereby appoint RICHARD W. SEED. Reg. No. 16,557; ROBERT J. BAYNHAM, Reg. No. 22,846; EDWARD W. BULCHIS. Reg. No. 26,847; GEORGE C. RONDEAU, JR., Reg. No. 28,893; DAVID H. DEITS, Reg. No. 28,066; WILLIAM O. FERRON, JR., Reg. No. 30,633; PAUL T. MEIKLEJOHN, Reg. No. 26,569; DAVID J. MAKI, Reg. No. 31,392; RICHARD G. SHARKEY, Reg. No. 32,629; DAVID V. CARLSON, Reg. No. 31,153; KARL R. HERMANNS, Reg. No. 33,507; DAVID D. MCMASTERS, Reg. No. 33,963; MICHAEL J. DONOHUE, Reg. No. 35,859; CHRISTOPHER J. DALEY-WATSON, Reg. No. 34,807; STEVEN D. LAWRENZ, Reg. No. 37,376; ROBERT G. WOOLSTON, Reg. No. 37,263; ELLEN M. BIERMAN, Reg. No. 38,079; PAUL T. PARKER, Reg. No. 38,264; ANN T. KADLECEK, Reg. No. 39,244; DAVID W. PARKER, Reg. No. 37,414; BRIAN G. BODINE, Reg. No. 40,520; FRANK

Please direct all communications to:

David W. Parker, Esq.
Seed and Berry LLP
6300 Columbia Tower
701 Fifth Avenue
Seattle, Washington 98104-7092

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

David C. DeCoster

Date __

Residence

City of Buckley

State of Washington

Citizenship

United States of America

P.O. Address

5509 234th Avenue East

| Date | | |
|---|-------------|--|
| Residence | : | City of Newark State of Delaware |
| Citizenship | : | United States of America |
| P.O. Address | : | 12 South Townview Lane Newark, Delaware 19711-7 |
| Mark W. Dassel | | |
| Date | | |
| Residence | : | City of Indianola State of Washington |
| Citizenship | • | United States of America |
| P.O. Address | : | Post Office Box 486 Indianola, Washington 98342 |
| Sharon M. Aldric Date Residence | : | City of Poulsbo |
| | • | State of Washington |
| Citizenship | : | United States of America |
| P.O. Address | : | 16162 B Virginia Point Road Poulsbo, Washington 98370 |
| | | |
| Ader M. Rostami | | |
| Date | | |
| Date | : | City of Bainbridge Island State of Washington |
| Ader M. Rostami Date Residence Citizenship | : | City of Bainbridge Island |

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "METHODS AND DEVICES FOR CONTROLLING THE REACTION RATE AND/OR REACTIVITY OF HYDROCARBON TO AN INTERMEDIATE OXIDATION PRODUCT BY ADJUSTING THE OXIDANT CONSUMPTION RATE," which is described and claimed in the specification and claims of Patent Application No. 09/253,172, which we filed in the United States Patent and Trademark Office on February 19, 1999, and for which a patent is sought. This application claims the benefit under 35 U.S.C. §§ 120 or 365(c) of PCT International Application No. PCT/US97/12944 having an International Filing Date of July 23, 1997; U.S. Patent Application No. 08/861,281, filed May 21, 1997; and U.S. Patent Application No. 08/859,985, filed May 21, 1997. This application further claims the benefit of the priority dates afforded to the above-identified applications, namely U.S. Provisional Application No. 60/025,374, filed September 3, 1996; and U.S. Provisional Application No. 60/024,263, filed August 21, 1996.

We have reviewed and understand the contents of the above-entitled specification, including the claims, as amended by any amendment specifically referred to herein (if any), and insofar as the subject matter of each of the claims of this application is not disclosed in a prior United States or PCT International application as listed above in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. We also acknowledge our duty to disclose information of which we are aware which is material to the patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We hereby appoint RICHARD W. SEED, Reg. No. 16,557; ROBERT J. BAYNHAM, Reg. No. 22,846; EDWARD W. BULCHIS, Reg. No. 26,847; GEORGE C. RONDEAU, JR., Reg. No. 28,893; DAVID H. DEITS, Reg. No. 28,066; WILLIAM O. FERRON, JR., Reg. No. 30,633; PAUL T. MEIKLEJOHN, Reg. No. 26,569; DAVID J. MAKI, Reg. No. 31,392; RICHARD G. SHARKEY, Reg. No. 32,629; DAVID V. CARLSON, Reg. No. 31,153; KARL R. HERMANNS, Reg. No. 33,507; DAVID D. MCMASTERS, Reg. No. 33,963; MICHAEL J. DONOHUE, Reg. No. 35,859; CHRISTOPHER J. DALEY-WATSON, Reg. No. 34,807; STEVEN D. LAWRENZ, Reg. No. 37,376; ROBERT G. WOOLSTON, Reg. No. 37,263; ELLEN M. BIERMAN, Reg. No. 38,079; PAUL T. PARKER, Reg. No. 38,264; ANN T. KADLECEK, Reg. No. 39,244; DAVID W. PARKER, Reg. No. 37,414; BRIAN G. BODINE, Reg. No. 40,520; FRANK

Please direct all communications to:

David W. Parker, Esq.
Seed and Berry LLP
6300 Columbia Tower
701 Fifth Avenue
Seattle, Washington 98104-7092

Seattle, washington 98104-7092

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

David C. DeCoster

Date _____
Residence : City of Buckley State of Washington

Citizenship : United States of America

P.O. Address : 5509 234th Avenue East

| Eustathios Vass | <u>Ole</u> | 6 Vassel Doi |
|-----------------|--------------|---|
| Lustatinos Vass | \cap | |
| Date | ely | 29, 1999 |
| Residence | : ' | City of Newark State of Delaware |
| Citizenship | : | United States of America |
| P.O. Address | : | 12 South Townview Lane Newark, Delaware 19711-7419 |
| Mark W. Dassel | | |
| Date | | <u> </u> |
| Residence | : | City of Indianola State of Washington |
| Citizenship | : | United States of America |
| P.O. Address | : | Post Office Box 486 Indianola, Washington 98342 |
| Sharon M. Aldri | ch | *** |
| Date | | |
| Residence | : | City of Poulsbo State of Washington |
| Citizenship | : | United States of America |
| P.O. Address | : | 16162 B Virginia Point Road Poulsbo, Washington 98370 |
| Ader M. Rostam | i | - |
| Date | | |
| Residence | : | City of Bainbridge Island State of Washington |
| Citizenship | : | Iran |
| P.O. Address | : | 9205 Northeast Sea Ray Court Bainbridge Island, Washington 98110 |

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "METHODS AND DEVICES FOR CONTROLLING THE REACTION RATE AND/OR REACTIVITY OF HYDROCARBON TO AN INTERMEDIATE OXIDATION PRODUCT BY ADJUSTING THE OXIDANT CONSUMPTION RATE," which is described and claimed in the specification and claims of Patent Application No. 09/253,172, which we filed in the United States Patent and Trademark Office on February 19, 1999, and for which a patent is sought. This application claims the benefit under 35 U.S.C. §§ 120 or 365(c) of PCT International Application No. PCT/US97/12944 having an International Filing Date of July 23, 1997; U.S. Patent Application No. 08/861,281, filed May 21, 1997; and U.S. Patent Application No. 08/859,985, filed May 21, 1997. This application further claims the benefit of the priority dates afforded to the above-identified applications, namely U.S. Provisional Application No. 60/025,374, filed September 3, 1996; and U.S. Provisional Application No. 60/024,263, filed August 21, 1996.

We have reviewed and understand the contents of the above-entitled specification, including the claims, as amended by any amendment specifically referred to herein (if any), and insofar as the subject matter of each of the claims of this application is not disclosed in a prior United States or PCT International application as listed above in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. We also acknowledge our duty to disclose information of which we are aware which is material to the patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We hereby appoint RICHARD W. SEED, Reg. No. 16,557; ROBERT J. BAYNHAM, Reg. No. 22,846; EDWARD W. BULCHIS, Reg. No. 26,847; GEORGE C. RONDEAU, JR., Reg. No. 28,893; DAVID H. DEITS, Reg. No. 28,066; WILLIAM O. FERRON, JR., Reg. No. 30,633; PAUL T. MEIKLEJOHN, Reg. No. 26,569; DAVID J. MAKI, Reg. No. 31,392; RICHARD G. SHARKEY, Reg. No. 32,629; DAVID V. CARLSON, Reg. No. 31,153; KARL R. HERMANNS, Reg. No. 33,507; DAVID D. MCMASTERS, Reg. No. 33,963; MICHAEL J. DONOHUE, Reg. No. 35,859; CHRISTOPHER J. DALEY-WATSON, Reg. No. 34,807; STEVEN D. LAWRENZ, Reg. No. 37,376; ROBERT G. WOOLSTON, Reg. No. 37,263; ELLEN M. BIERMAN, Reg. No. 38,079; PAUL T. PARKER, Reg. No. 38,264; ANN T. KADLECEK, Reg. No. 39,244; DAVID W. PARKER, Reg. No. 37,414; BRIAN G. BODINE, Reg. No. 40,520; FRANK

Please direct all communications to:

David W. Parker, Esq.
Seed and Berry LLP
6300 Columbia Tower
701 Fifth Avenue
Seattle, Washington 98104-7092

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

| David C. DeCos | ster | |
|----------------|------|--|
| Date | | |
| Residence | : | City of Buckley State of Washington |
| Citizenship | : | United States of America |
| P.O. Address | | 5509 234th Avenue Fast |

| Eustathios Vassil | iou | |
|-------------------|-----|--|
| Date | | |
| Residence | : | City of Newark State of Delaware |
| Citizenship | : | United States of America |
| P.O. Address | : | 12 South Townview Lane Newark, Delaware 19711- |
| Mul | Cr | 1. Dans |
| Mark W. Dassel | | |
| Date Area | _ | P 3, 1999 |
| Residence | • | City of Indianola State of Washington |
| Citizenship | : | United States of America |
| P.O. Address | : | Post Office Box 486 Indianola, Washington 9834 |
| Sharon M. Aldric | h | |
| Date | | 1 |
| Residence | : | City of Poulsbo State of Washington |
| Citizenship | : | United States of America |
| P.O. Address | : | 16162 B Virginia Point Road Poulsbo, Washington 98370 |
| Ader M. Rostami | | |
| Date | | |
| Residence | : | City of Bainbridge Island State of Washington |
| Citizenshin | | Iran |

9205 Northeast Sea Ray Court Bainbridge Island, Washington 98110

P.O. Address

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "METHODS AND DEVICES FOR CONTROLLING THE REACTION RATE AND/OR REACTIVITY OF HYDROCARBON TO AN INTERMEDIATE OXIDATION PRODUCT BY ADJUSTING THE OXIDANT CONSUMPTION RATE," which is described and claimed in the specification and claims of Patent Application No. 09/253,172, which we filed in the United States Patent and Trademark Office on February 19, 1999, and for which a patent is sought. This application claims the benefit under 35 U.S.C. §§ 120 or 365(c) of PCT International Application No. PCT/US97/12944 having an International Filing Date of July 23, 1997; U.S. Patent Application No. 08/861,281, filed May 21, 1997; and U.S. Patent Application No. 08/859,985, filed May 21, 1997. This application further claims the benefit of the priority dates afforded to the above-identified applications, namely U.S. Provisional Application No. 60/024,263, filed August 21, 1996.

We have reviewed and understand the contents of the above-entitled specification, including the claims, as amended by any amendment specifically referred to herein (if any), and insofar as the subject matter of each of the claims of this application is not disclosed in a prior United States or PCT International application as listed above in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. We also acknowledge our duty to disclose information of which we are aware which is material to the patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We hereby appoint RICHARD W. SEED, Reg. No. 16,557; ROBERT J. BAYNHAM, Reg. No. 22,846; EDWARD W. BULCHIS, Reg. No. 26,847; GEORGE C. RONDEAU, JR., Reg. No. 28,893; DAVID H. DEITS, Reg. No. 28,066; WILLIAM O. FERRON, JR., Reg. No. 30,633; PAUL T. MEIKLEJOHN, Reg. No. 26,569; DAVID J. MAKI, Reg. No. 31,392; RICHARD G. SHARKEY, Reg. No. 32,629; DAVID V. CARLSON, Reg. No. 31,153; KARL R. HERMANNS, Reg. No. 33,507; DAVID D. MCMASTERS, Reg. No. 33,963; MICHAEL J. DONOHUE, Reg. No. 35,859; CHRISTOPHER J. DALEY-WATSON, Reg. No. 34,807; STEVEN D. LAWRENZ, Reg. No. 37,376; ROBERT G. WOOLSTON, Reg. No. 37,263; ELLEN M. BIERMAN, Reg. No. 38,079; PAUL T. PARKER, Reg. No. 38,264; ANN T. KADLECEK, Reg. No. 39,244; DAVID W. PARKER, Reg. No. 37,414; BRIAN G. BODINE, Reg. No. 40,520; FRANK

Please direct all communications to:

David W. Parker, Esq.
Seed and Berry LLP
6300 Columbia Tower
701 Fifth Avenue
Seattle, Washington 98104-7092

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

| David C. DeCoster | | |
|-------------------|---|--|
| Date | | |
| Residence | : | City of Buckley State of Washington |
| Citizenship | : | United States of America |
| P.O. Address | : | 5509 234th Avenue East |

Eustathios Vassiliou Date Residence City of Newark State of Delaware Citizenship United States of America P.O. Address 12 South Townview Lane Newark, Delaware 19711-7419 Mark W. Dassel Date Residence City of Indianola State of Washington Citizenship United States of America P.O. Address Post Office Box 486 Indianola, Washington 98342 Date 7-29-99 Residence City of Poulsbo State of Washington Citizenship United States of America P.O. Address 16162 B Virginia Point Road Poulsbo, Washington 98370 Ader M. Rostami Date City of Bainbridge Island Residence State of Washington

Iran

9205 Northeast Sea Ray Court

Bainbridge Island, Washington 98110

Citizenship

P.O. Address

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "METHODS AND DEVICES FOR CONTROLLING THE REACTION RATE AND/OR REACTIVITY OF HYDROCARBON TO AN INTERMEDIATE OXIDATION PRODUCT BY ADJUSTING THE OXIDANT CONSUMPTION RATE," which is described and claimed in the specification and claims of Patent Application No. 09/253,172, which we filed in the United States Patent and Trademark Office on February 19, 1999, and for which a patent is sought. This application claims the benefit under 35 U.S.C. §§ 120 or 365(c) of PCT International Application No. PCT/US97/12944 having an International Filing Date of July 23, 1997; U.S. Patent Application No. 08/861,281, filed May 21, 1997; and U.S. Patent Application No. 08/859,985, filed May 21, 1997. This application further claims the benefit of the priority dates afforded to the above-identified applications, namely U.S. Provisional Application No. 60/025,374, filed September 3, 1996; and U.S. Provisional Application No. 60/024,263, filed August 21, 1996.

We have reviewed and understand the contents of the above-entitled specification, including the claims, as amended by any amendment specifically referred to herein (if any), and insofar as the subject matter of each of the claims of this application is not disclosed in a prior United States or PCT International application as listed above in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. We also acknowledge our duty to disclose information of which we are aware which is material to the patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We hereby appoint RICHARD W. SEED. Reg. No. 16,557; ROBERT J. BAYNHAM, Reg. No. 22,846; EDWARD W. BULCHIS, Reg. No. 26,847; GEORGE C. RONDEAU, JR., Reg. No. 28,893; DAVID H. DEITS, Reg. No. 28,066; WILLIAM O. FERRON, JR., Reg. No. 30,633; PAUL T. MEIKLEJOHN, Reg. No. 26,569; DAVID J. MAKI, Reg. No. 31,392; RICHARD G. SHARKEY, Reg. No. 32,629; DAVID V. CARLSON, Reg. No. 31,153; KARL R. HERMANNS, Reg. No. 33,507; DAVID D. MCMASTERS, Reg. No. 33,963; MICHAEL J. DONOHUE, Reg. No. 35,859; CHRISTOPHER J. DALEY-WATSON, Reg. No. 34,807; STEVEN D. LAWRENZ, Reg. No. 37,376; ROBERT G. WOOLSTON, Reg. No. 37,263; ELLEN M. BIERMAN, Reg. No. 38,079; PAUL T. PARKER, Reg. No. 38,264; ANN T. KADLECEK, Reg. No. 39,244; DAVID W. PARKER, Reg. No. 37,414; BRIAN G. BODINE, Reg. No. 40,520; FRANK

Please direct all communications to:

David W. Parker, Esq.
Seed and Berry LLP
6300 Columbia Tower
701 Fifth Avenue

Seattle, Washington 98104-7092

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

| David C. DeCo | ster | |
|---------------|------|-------------------------------------|
| Date | | |
| Residence | : | City of Buckley State of Washington |
| Citizenship | : | United States of America |

P.O. Address : 5509 234th Avenue East

| Eustathios Vass | iliou | |
|-----------------|------------|--|
| Date | | |
| Residence | : | City of Newark State of Delaware |
| Citizenship | : | United States of America |
| P.O. Address | : | 12 South Townview Lane Newark, Delaware 19711-7- |
| Mark W. Dassel | | |
| Date | | |
| Residence | : | City of Indianola State of Washington |
| Citizenship | : | United States of America |
| P.O. Address | : | Post Office Box 486 Indianola, Washington 9834 |
| Sharon M. Aldri | ich | |
| Residence | : | City of Poulsbo State of Washington |
| Citizenship | : | United States of America |
| P.O. Address | : | 16162 B Virginia Point Road Poulsbo, Washington 98370 |
| (m | Rost | amî |
| Ader M. Rostan | ni | |
| | qust | 4, 1999 |
| Residence | ~ : | City of Bainbridge Island State of Washington |

Iran

9205 Northeast Sea Ray Court Bainbridge Island, Washington 98110

Citizenship

P.O. Address